

Plaintiffs' Exhibit 20



Display Ecosystem Boot Camp

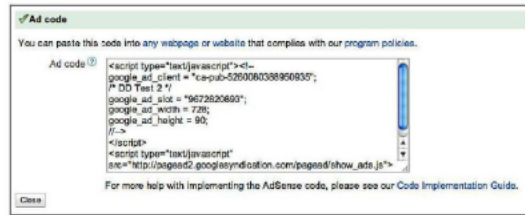


What about the publishers?


1. Create an ad unit in AdX.


728x90
blocked: ford.com
Run of Site, above-the-fold

2. Get the code for the ad unit



Publisher Benefits: Anonymity

- Publishers can set their inventory to be **anonymous**, so they can protect their direct sales channel efforts (i.e. the advertisers who are buying directly won't know they can get the same inventory for cheaper on the exchange).
-  **sales channel conflict:** The risk that advertisers who buy directly from publishers can get the same inventory for cheaper through other channels
- Publishers can also choose to make their inventory **anonymous unless the advertiser is bidding at least a certain CPM**. In this case, they'd set a low min CPM for anonymous, and a higher one for branded.

Branding Type	<input type="radio"/>	Allow advertisers to target my inventory by site name/custom channel only
	<input type="radio"/>	Allow advertisers to target my inventory by anonymous ID only
	<input checked="" type="radio"/>	Allow advertisers to bid on my inventory both ways
Min CPM 	\$	<input type="text"/> (Min CPM when targeting by site name/custom channel)
	\$	<input type="text"/> (Min CPM when targeting by anonymous ID)

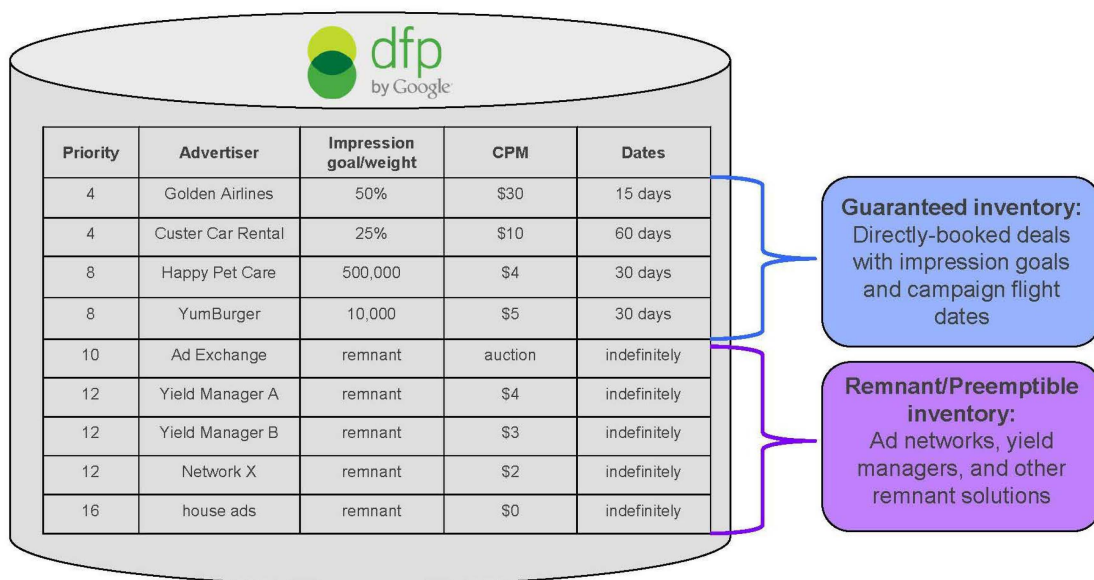
Quiz!


What's a trading desk?

**A division at an agency holding company
designated to manage exchange buying for
all of the holding company's agencies**

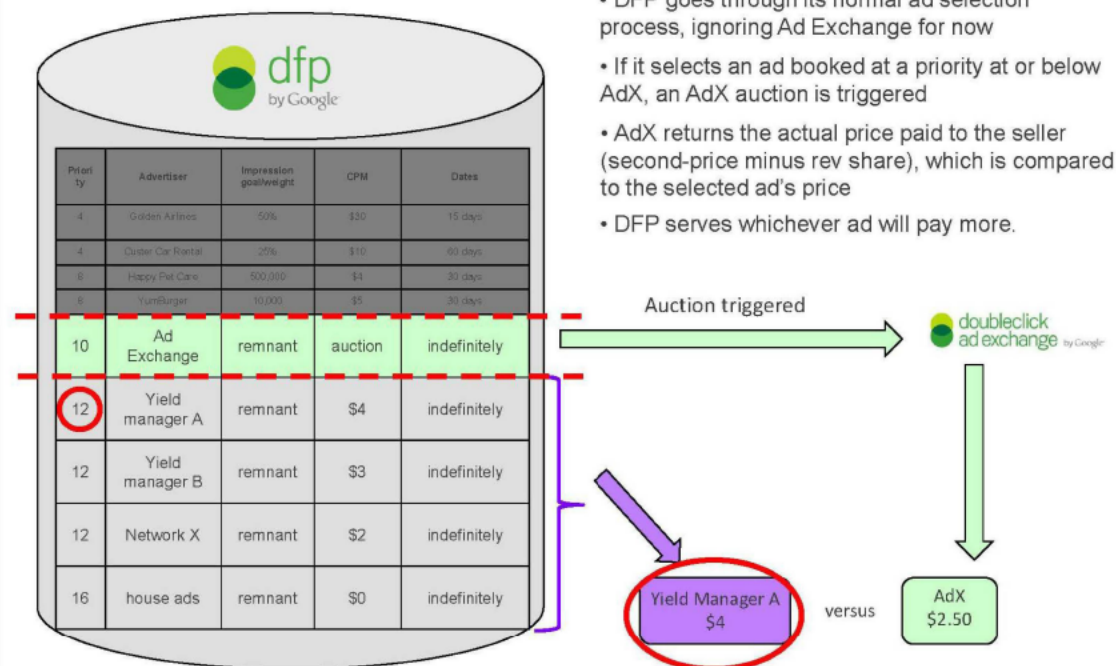
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Publisher Benefits: Dynamic Allocation



 **dynamic allocation:** A yield maximization feature within DFP which dictates that an AdX ad only serves if the price – calculated in real time – can beat the sources prioritized below it.

Dynamic Allocation: How it works



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Putting it all together

1 User enters **espn.com** into her browser.



2 The browser contacts ESPN's **web server** for the website information.

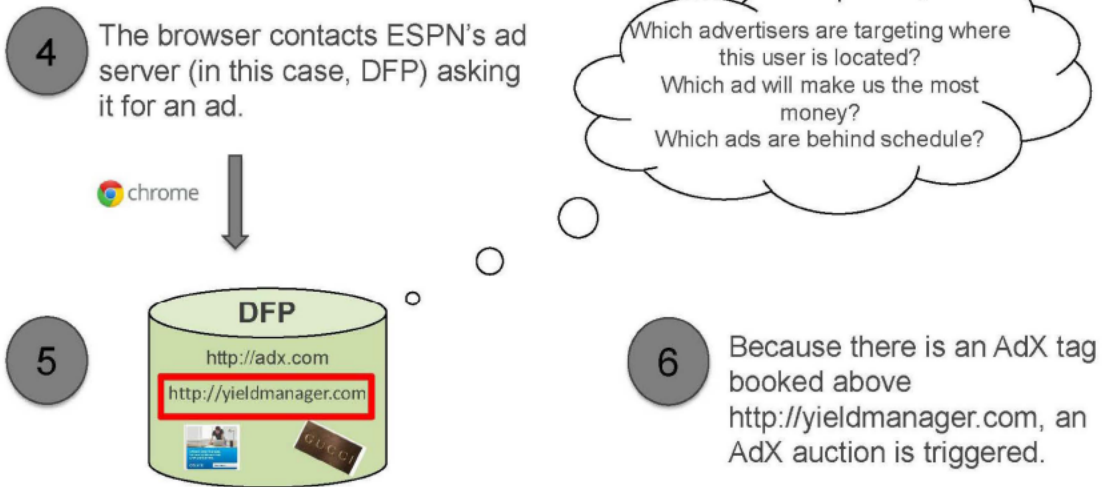


3 As the browser begins to build the page content, it encounters a URL, or **publisher ad tag**, which tells it to call ESPN's ad server.



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Putting it all together



In this case, DFP contains – among other advertiser creatives and ad tags – an ad exchange tag. As usual, DFP selects the ad that should show.

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Putting it all together

- 7 AdWords runs its auction, and selects its two highest bidders. Meanwhile, AdX sends a “callout” to its real-time bidders. It also scans through its eligible UI campaigns. Eventually, the AdX UI campaigns, AdX real-time bids, and two highest AdWords bids enter the AdX auction.



- 8 The AdX auction takes place. The highest bidder is chosen as the winner, and the second-highest price is noted.

Putting it all together

9 AdX sends the price paid by the winner – the second price minus the rev share – to see if it can beat the <http://yieldmanager.com> price.

10

DFP

AdX: \$3.24
vs
Yield Manager: \$3.08



If AdX can beat the price, AdX sends the winning ad creative – or ad tag – back to the browser. Usually, it's an ad tag.

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Putting it all together

11 Now, the browser sees another link, so it calls DFA.

chrome

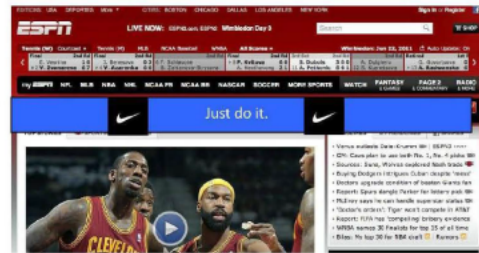


12



DFA knows it needs a Nike ad. But which one? Which one will speak to someone on ESPN.com that lives in Nebraska?

13 DFA returns the chosen creative, which appears on the user's screen.



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